

What is Claimed is:

1. A complementary fan rotational speed control apparatus for simultaneously monitoring the rotation speeds of two or more fans, comprising:

5 a control unit for outputting pulse width modulation (PWM) control power supply;

 a first fan connecting to the control unit to receive the PWM control power supply from the control unit and output a first rotation pulse signal to the control unit; and

10 a second fan connecting to the control unit to receive the PWM control power supply from the control unit and output a second rotation pulse signal to the control unit;

 wherein when the rotation speed of either the first fan or the second fan decreases, the rotation speed of other fan increases to maintain cooling effect for elements which require heat dissipation and a warning signal is issued to alert malfunction of the fan.

2. The complementary fan rotational speed control apparatus of claim 1, wherein the first fan and the second fan are
20 selectively axial fans or radial fans.

3. A complementary fan rotational speed control method for simultaneously monitoring the rotation speeds of two or more fans, comprising steps of:

 a. outputting pulse width modulation (PWM) control
25 power supply from a control unit to activate a first fan and a

second fan;

b. transferring rotation pulse signals from the first fan and the second fan to the control unit after the first fan and the second fan have been activated, the control unit detecting the rotation speeds
5 of the first fan and the second fan based on the received rotation pulse signals; and

c. actuating one of the fans to increase the rotation speed by the control unit when the rotation speed of other fan is detected decreasing, and issuing a warning signal to secure cooling effect
10 and increase the service life of the fans.